BRUHATH BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION

Name of the work: Package No.01 (Package consists of 18 works)

Second and Part Bill
Detailed Measurement

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BRUHATH BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION

Name of the work: Improvement to Drains and Asphalting to Roads at Hegadenagara Westren Side Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

) Code :- 006-18-000097,

me of Agency :- Benaka Developers & Project Pvt.Ltd.

No :-2nd & Part Bill

me Of work : - Improvement to Drains and Asphalting to Roads at Hegadenagara Westren Side Cross Roads in Ward 06(Thanisandra), Byatarayanapura Sub Division

)Q em lo	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
3	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTD SR 2016-17)										
	5th Cross										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	60.00		2.00	30.00			0.10		6.00	
	60.00	90.00		2.00	30.00			0.10		6.00	
	90.00	120.00		2.00	30.00			0.10		6.00	
	120.00	155.00		2.00	35.00			0.10		7.00	
	2nd cross road in 5th croaa										
	0.00	21.30		2.00	21.30			0.10		4.26	
	1st cross road in 5th croaa										
	0.00	43.50		2.00	43.50			0.10		8.70	
	4th Cross										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	60.00		2.00	30.00			0.10		6.00	
	60.00	90.00		2.00	30.00			0.10		6.00	
	90.00	120.00		2.00	30.00			0.10		6.00	
	120.00	150.00		2.00	30.00			0.10		6.00	
	150.00	180.00		2.00	30.00			0.10		6.00	
	180.00	196.00		2.00	16.00			0.10		3.20	
	2nd cross road in 4th croaa										
	0.00	20.00		2.00	20.00			0.10		4.00	
	1st cross road in 4th croaa										
	0.00	20.00		2.00	20.00			0.10		4.00	
	3rd Cross										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	60.00		2.00	30.00			0.10		6.00	
	60.00	90.00		2.00	30.00			0.10		6.00	
	90.00	120.00		2.00	30.00			0.10		6.00	
	120.00	150.00		2.00	30.00			0.10		6.00	
	150.00	182.00		2.00	32.00			0.10		6.40	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097,

ıe of Agency :- Benaka Developers & Project Pvt.Ltd.

No :-2nd & Part Bill

ıe Of work : - Improvement to Drains and Asphalting to Roads at Hegadenagara Westren Side Cross Roads in Ward)6(Thanisandra), Byatarayanapura Sub Division

Q m)	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	1st Cross										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	60.00		2.00	30.00			0.10		6.00	
	60.00	90.00		2.00	30.00			0.10		6.00	
	90.00	104.00		2.00	14.00			0.10		2.80	
	104.00	130.00		2.00	26.00			0.10		5.20	
	Y Block										
	0.00	15.00		2.00	15.00			0.10		3.00	
	15.00	41.00		2.00	26.00			0.10		5.20	
	X Block										
	0.00	15.00		2.00	15.00			0.10		3.00	
	15.00	45.00		2.00	30.00			0.10		6.00	
	W Block										
	0.00	15.00		2.00	15.00			0.10		3.00	
	15.00	44.00		2.00	29.00			0.10		5.80	
	S Block										
	0.00	15.00		2.00	15.00			0.10		3.00	
	15.00	43.00		2.00	28.00			0.10		5.60	
	Dcp office Road										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	65.40		2.00	35.40			0.10		7.08	
	65.40	70.00		2.00	4.60			0.10		0.92	
	70.00	90.00		2.00	20.00			0.10		4.00	
	90.00	104.80		2.00	14.80			0.10		2.96	
	Dcp station back side										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	60.00		2.00	30.00			0.10		6.00	
	60.00	90.00		2.00	30.00			0.10		6.00	
	90.00	117.80		2.00	27.80			0.10		5.56	
	Dcp station back side ofc entanrce										
	0.00	16.50		2.00	16.50			0.10		3.30	
	Hegdenagar										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	60.00		2.00	30.00			0.10		6.00	
	60.00	90.00		2.00	30.00			0.10		6.00	
	90.00	120.00		2.00	30.00			0.10		6.00	
	120.00	150.00		2.00	30.00			0.10		6.00	
	150.00	180.00		2.00	30.00			0.10		6.00	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097,

ıe of Agency :- Benaka Developers & Project Pvt.Ltd.

No :-2nd & Part Bill

ıe Of work : - Improvement to Drains and Asphalting to Roads at Hegadenagara Westren Side Cross Roads in Ward 46(Thanisandra), Byatarayanapura Sub Division

Q n)	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	180.00	210.00		2.00	30.00			0.10		6.00	
	210.00	240.00		2.00	30.00			0.10		6.00	
	240.00	270.00		2.00	30.00			0.10		6.00	
	270.00	300.00		2.00	30.00			0.10		6.00	
	300.00	330.00		2.00	30.00			0.10		6.00	
	330.00	360.00		2.00	30.00			0.10		6.00	
	360.00	390.00		2.00	30.00			0.10		6.00	
	390.00	420.00		2.00	30.00			0.10		6.00	
	420.00	450.00		2.00	30.00			0.10		6.00	
	450.00	480.00		2.00	30.00			0.10		6.00	
	480.00	510.00		2.00	30.00			0.10		6.00	
	510.00	540.00		2.00	30.00			0.10		6.00	
	540.00	570.00		2.00	30.00			0.10		6.00	
	570.00	587.00		2.00	17.00			0.10		3.40	
	Approch										
	2nd Cross @30 chainage										
				2.00	5.00			0.10		1.00	
	Park Road										
	LHS										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	60.00		2.00	30.00			0.10		6.00	
	60.00	90.00		2.00	30.00			0.10		6.00	
	90.00	120.00		2.00	30.00			0.10		6.00	
	120.00	150.00		2.00	30.00			0.10		6.00	
	150.00	180.00		2.00	30.00			0.10		6.00	
	180.00	210.00		2.00	30.00			0.10		6.00	
	210.00	240.00		2.00	30.00			0.10		6.00	
	240.00	270.00		2.00	30.00			0.10		6.00	
	270.00	300.00		2.00	30.00			0.10		6.00	
	300.00	321.60		2.00	21.60			0.10		4.32	
	321.60	330.00		2.00	8.40			0.10		1.68	
	330.00	360.00		2.00	30.00			0.10		6.00	
	360.00	390.00		2.00	30.00			0.10		6.00	
	390.00	420.00		2.00	30.00			0.10		6.00	
	420.00	450.00		2.00	30.00			0.10		6.00	
	450.00	480.00		2.00	30.00			0.10		6.00	
	480.00	510.00		2.00	30.00			0.10		6.00	
	510.00	540.00		2.00	30.00			0.10		6.00	
	540.00	556.90		2.00	16.90			0.10		6.00	
								0.10		3.38	
								TOTAL		465.76	Sqm

Consultant

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು 28/2/19
Assistant Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು 28/2/20
Assistant Executive Engineer
ಬ್ಯಾಟರಾಯನಪುರ ಉಪವಿಭಾಗ

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BRUHATH BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION

Name of the work: Improvement to Drains and Asphalting to Roads at Hegadenagara Eastern Side Cross Roads in Ward No.06(Thanisandra), Byatarayanapura Sub Division

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

'ode :- 006-18-000097,

: of Agency :- Benaka Developers & Project Pvt.Ltd.

o :-2nd & Part Bill

: Of work : - Improvement to Drains and Asphalting to Roads at Hegadenagara Eastern Side Cross Roads in Ward (Thanisandra), Byatarayanapura Sub Division

Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&IWTD SR 2016-17)										
1st Cross Road										
0.00	30.00		1.00	30.00			1.80		54.00	
30.00	60.00		1.00	30.00			1.80		54.00	
60.00	90.00		1.00	30.00			1.80		54.00	
90.00	96.00		0.00	6.00			1.80		0.00	
96.00	126.00		1.00	30.00			1.80		54.00	
126.00	156.00		1.00	30.00			1.80		54.00	
156.00	190.00		1.00	34.00			1.80		61.20	
2nd Cross Road										
0.00	30.00		1.00	30.00			2.00		60.00	
30.00	60.00		1.00	30.00			2.00		60.00	
60.00	73.40		1.00	13.40			2.00		26.80	
73.40	79.90		0.00	6.50			2.00		0.00	
79.90	109.90		1.00	30.00			2.00		60.00	
109.90	139.90		1.00	30.00			2.00		60.00	
139.90	171.00		1.00	31.10			2.00		62.20	
3rd Cross Road										
0.00	30.00		1.00	30.00			2.00		60.00	
30.00	60.00		1.00	30.00			2.00		60.00	
60.00	90.00		1.00	30.00			2.00		60.00	
90.00	103.30		1.00	13.30			2.00		26.60	
103.30	110.00		0.00	6.70			2.00		0.00	
110.00	140.00		1.00	30.00			2.00		60.00	
140.00	170.00		1.00	30.00			2.00		60.00	
170.00	200.50		1.00	30.50			2.00		61.00	
4th Cross Road										
0.00	30.00		1.00	30.00			2.00		60.00	
30.00	60.00		1.00	30.00			2.00		60.00	
60.00	90.00		1.00	30.00			2.00		60.00	
90.00	103.30		1.00	13.30			2.00		26.60	
103.30	109.30		0.00	6.00			2.00		0.00	
109.30	139.30		1.00	30.00			2.00		60.00	
139.30	169.30		1.00	30.00			2.00		60.00	
169.30	200.00		1.00	30.70			2.00		61.40	
5th Cross Road										

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Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097,

me of Agency :- Benaka Developers & Project Pvt.Ltd.

l No :-2nd & Part Bill

me Of work : - Improvement to Drains and Asphalting to Roads at Hegadenagara Eastern Side Cross Roads in Ward .06(Thanisandra), Byatarayanapura Sub Division

)Q :m o	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	0.00	30.00		3.00	30.00			1.20		108.00	
	30.00	60.00		3.00	30.00			1.20		108.00	
	60.00	90.00		3.00	30.00			1.20		108.00	
	90.00	120.00		3.00	30.00			1.20		108.00	
	120.00	150.00		3.00	30.00			1.20		108.00	
	150.00	180.00		3.00	30.00			1.20		108.00	
	180.00	190.20		3.00	10.20			1.20		36.72	
	6th Cross Road										
	0.00	30.00		1.00	30.00			2.00		60.00	
	30.00	60.00		1.00	30.00			2.00		60.00	
	60.00	90.00		1.00	30.00			2.00		60.00	
	90.00	120.00		1.00	30.00			2.00		60.00	
	120.00	150.00		1.00	30.00			2.00		60.00	
	150.00	180.00		1.00	30.00			2.00		60.00	
	180.00	192.00		1.00	12.00			2.00		24.00	
	7th Cross Road										
	0.00	30.00		1.00	30.00			2.00		60.00	
	30.00	60.00		1.00	30.00			2.00		60.00	
	60.00	91.10		1.00	31.10			2.00		62.20	
	91.10	98.10		0.00	7.00			2.00		0.00	
	98.10	128.10		1.00	30.00			2.00		60.00	
	128.10	158.10		1.00	30.00			2.00		60.00	
	158.10	190.00		1.00	31.90			2.00		63.80	
	Bad Reaches										
				6.00	2.10			2.40		30.24	
				5.00	2.00			1.95		19.50	
				6.00	1.60			1.85		17.76	
								TOTAL		**2938.02**	**Sqm**
	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)										
	1st Cross Road										
	0.00	30.00		1.00	30.00	7.40	6.80	7.10		213.00	
	30.00	60.00		1.00	30.00	6.80	7.50	7.15		214.50	
	60.00	90.00		1.00	30.00	7.50	7.70	7.60		228.00	
	90.00	96.00		0.00	6.00	6.40	7.30	6.85		0.00	
	96.00	126.00		1.00	30.00	6.55	7.00	6.78		203.25	
	126.00	156.00		1.00	30.00	7.00	7.35	7.18		215.25	
	156.00	190.00		1.00	34.00	7.35	7.40	7.38		250.75	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

ob Code :- 006-18-000097,

ame of Agency :- Benaka Developers & Project Pvt.Ltd.

ill No :-2nd & Part Bill

ame Of work : - Improvement to Drains and Asphalting to Roads at Hegadenagara Eastern Side Cross Roads in Ward .06(Thanisandra), Byatarayanapura Sub Division

DQ em lo	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	2nd Cross Road										
	0.00	30.00		1.00	30.00	6.50	6.40	6.45		193.50	
	30.00	60.00		1.00	30.00	6.40	6.40	6.40		192.00	
	60.00	73.40		1.00	13.40	6.40	6.30	6.35		85.09	
	73.40	79.90		0.00	6.50	7.00	7.90	7.45		0.00	
	79.90	109.90		1.00	30.00	7.90	7.50	7.70		231.00	
	109.90	139.90		1.00	30.00	7.50	7.30	7.40		222.00	
	139.90	171.00		1.00	31.10	7.30	7.00	7.15		222.37	
	3rd Cross Road										
	0.00	30.00		1.00	30.00	7.40	6.50	6.95		208.50	
	30.00	60.00		1.00	30.00	6.50	7.00	6.75		202.50	
	60.00	90.00		1.00	30.00	7.00	6.90	6.95		208.50	
	90.00	103.30		1.00	13.30	6.90	7.00	6.95		92.44	
	103.30	110.00		0.00	6.70	7.00	6.20	6.60		0.00	
	110.00	140.00		1.00	30.00	6.20	5.90	6.05		181.50	
	140.00	170.00		1.00	30.00	5.90	5.80	5.85		175.50	
	170.00	200.50		1.00	30.50	5.80	6.30	6.05		184.53	
	4th Cross Road										
	0.00	30.00		1.00	30.00	7.00	7.35	7.18		215.25	
	30.00	60.00		1.00	30.00	7.35	7.40	7.38		221.25	
	60.00	90.00		1.00	30.00	7.40	6.60	7.00		210.00	
	90.00	103.30		1.00	13.30	6.60	5.80	6.20		82.46	
	103.30	109.30		0.00	6.00	5.80	7.30	6.55		0.00	
	109.30	139.30		1.00	30.00	7.30	6.50	6.90		207.00	
	139.30	169.30		1.00	30.00	6.50	7.00	6.75		202.50	
	169.30	200.00		1.00	30.70	7.00	6.80	6.90		211.83	
	5th Cross Road										
	0.00	30.00		1.00	30.00	6.70	7.30	7.00		210.00	
	30.00	60.00		1.00	30.00	7.30	7.20	7.25		217.50	
	60.00	90.00		1.00	30.00	7.20	6.75	6.98		209.25	
	90.00	120.00		1.00	30.00	6.75	6.90	6.83		204.75	
	120.00	150.00		1.00	30.00	6.90	6.80	6.85		205.50	
	150.00	180.00		1.00	30.00	6.80	7.75	7.28		218.25	
	180.00	190.20		1.00	10.20	7.75	7.90	7.83		79.81	
	6th Cross Road										
	0.00	30.00		1.00	30.00	6.20	6.40	6.30		189.00	
	30.00	60.00		1.00	30.00	6.40	5.90	6.15		184.50	
	60.00	90.00		1.00	30.00	5.90	6.30	6.10		183.00	
	90.00	120.00		1.00	30.00	6.30	6.30	6.30		189.00	
	120.00	150.00		1.00	30.00	6.30	6.10	6.20		186.00	
	150.00	180.00		1.00	30.00	6.10	6.00	6.05		181.50	

Consultant

ಸಹಾಯಕ ಅಭಿಯಂತರರು
Assistant Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Assistant Executive Engineer
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-24

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

) Code :- 006-18-000097,

me of Agency :- Benaka Developers & Project Pvt.Ltd.

l No :-2nd & Part Bill

me Of work : - Improvement to Drains and Asphalting to Roads at Hegadenagara Eastern Side Cross Roads in Ward .06(Thanisandra), Byatarayanapura Sub Division

)Q m o	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	180.00	192.00		1.00	12.00	6.00	6.30	6.15		73.80	
	7th Cross Road										
	0.00	30.00		1.00	30.00	7.10	7.00	7.05		211.50	
	30.00	60.00		1.00	30.00	7.00	6.40	6.70		201.00	
	60.00	91.10		1.00	31.10	6.40	6.40	6.40		199.04	
	91.10	98.10		0.00	7.00	6.40	6.90	6.65		0.00	
	98.10	128.10		1.00	30.00	6.90	7.10	7.00		210.00	
	128.10	158.10		1.00	30.00	7.10	6.80	6.95		208.50	
	158.10	190.00		1.00	31.90	6.80	6.80	6.80		216.92	
	2nd A Main Road										
	0.00	20.00		1.00	20.00	6.80	6.90	6.85		137.00	
	20.00	39.70		1.00	19.70	6.90	7.50	7.20		141.84	
	1st Main Road										
	0.00	30.00		1.00	30.00	7.30	6.60	6.95		208.50	
	30.00	60.00		1.00	30.00	6.60	6.60	6.60		198.00	
	60.00	90.00		1.00	30.00	6.60	6.40	6.50		195.00	
	90.00	120.00		1.00	30.00	6.40	5.80	6.10		183.00	
	120.00	150.00		1.00	30.00	5.80	5.70	5.75		172.50	
	150.00	180.00		1.00	30.00	5.70	5.00	5.35		160.50	
	180.00	210.00		1.00	30.00	5.00	5.20	5.10		153.00	
	210.00	240.00		1.00	30.00	5.20	5.50	5.35		160.50	
	240.00	270.00		1.00	30.00	5.50	5.50	5.50		165.00	
	270.00	292.00		1.00	22.00	5.50	6.00	5.75		126.50	
	2nd Main Road										
	0.00	30.00		1.00	30.00	7.10	6.50	6.80		204.00	
	30.00	60.00		1.00	30.00	6.50	7.10	6.80		204.00	
	60.00	90.00		1.00	30.00	7.10	6.60	6.85		205.50	
	90.00	120.00		1.00	30.00	6.60	7.50	7.05		211.50	
	120.00	150.00		1.00	30.00	7.50	7.00	7.25		217.50	
	150.00	180.00		1.00	30.00	7.00	6.40	6.70		201.00	
	180.00	196.00		1.00	16.00	6.40	7.50	6.95		111.20	
	196.00	208.20		1.00	12.20	7.50	8.40	7.95		96.99	
										12306.31	
	Deduct prime coat									**-2938.02**	
								TOTAL		**9368.29**	**Sqm**

KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWTD SR of 2016-17)

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

) Code :- 006-18-000097,

me of Agency :- Benaka Developers & Project Pvt.Ltd.

l No :-2nd & Part Bill

me Of work : - Improvement to Drains and Asphalting to Roads at Hegadenagara Eastern Side Cross Roads in Ward .06(Thanisandra), Byatarayanapura Sub Division

)Q m o	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Chainage										
	1st Cross Road										
	0.00	30.00		1.00	30.00	7.40	6.80	7.10		213.00	
	30.00	60.00		1.00	30.00	6.80	7.50	7.15		214.50	
	60.00	90.00		1.00	30.00	7.50	7.70	7.60		228.00	
	90.00	96.00		0.00	6.00	6.40	7.30	6.85		0.00	
	96.00	126.00		1.00	30.00	6.55	7.00	6.78		203.25	
	126.00	156.00		1.00	30.00	7.00	7.35	7.18		215.25	
	156.00	190.00		1.00	34.00	7.35	7.40	7.38		250.75	
	2nd Cross Road										
	0.00	30.00		1.00	30.00	6.50	6.40	6.45		193.50	
	30.00	60.00		1.00	30.00	6.40	6.40	6.40		192.00	
	60.00	73.40		1.00	13.40	6.40	6.30	6.35		85.09	
	73.40	79.90		0.00	6.50	7.00	7.90	7.45		0.00	
	79.90	109.90		1.00	30.00	7.90	7.50	7.70		231.00	
	109.90	139.90		1.00	30.00	7.50	7.30	7.40		222.00	
	139.90	171.00		1.00	31.10	7.30	7.00	7.15		222.37	
	3rd Cross Road										
	0.00	30.00		1.00	30.00	7.40	6.50	6.95		208.50	
	30.00	60.00		1.00	30.00	6.50	7.00	6.75		202.50	
	60.00	90.00		1.00	30.00	7.00	6.90	6.95		208.50	
	90.00	103.30		1.00	13.30	6.90	7.00	6.95		92.44	
	103.30	110.00		0.00	6.70	7.00	6.20	6.60		0.00	
	110.00	140.00		1.00	30.00	6.20	5.90	6.05		181.50	
	140.00	170.00		1.00	30.00	5.90	5.80	5.85		175.50	
	170.00	200.50		1.00	30.50	5.80	6.30	6.05		184.53	
	4th Cross Road										
	0.00	30.00		1.00	30.00	7.00	7.35	7.18		215.25	
	30.00	60.00		1.00	30.00	7.35	7.40	7.38		221.25	
	60.00	90.00		1.00	30.00	7.40	6.60	7.00		210.00	
	90.00	103.30		1.00	13.30	6.60	5.80	6.20		82.46	
	103.30	109.30		0.00	6.00	5.80	7.30	6.55		0.00	
	109.30	139.30		1.00	30.00	7.30	6.50	6.90		207.00	
	139.30	169.30		1.00	30.00	6.50	7.00	6.75		202.50	
	169.30	200.00		1.00	30.70	7.00	6.80	6.90		211.83	
	5th Cross Road										
	0.00	30.00		1.00	30.00	6.70	7.30	7.00		210.00	
	30.00	60.00		1.00	30.00	7.30	7.20	7.25		217.50	
	60.00	90.00		1.00	30.00	7.20	6.75	6.98		209.25	
	90.00	120.00		1.00	30.00	6.75	6.90	6.83		204.75	
	120.00	150.00		1.00	30.00	6.90	6.80	6.85		205.50	
	150.00	180.00		1.00	30.00	6.80	7.75	7.28		218.25	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097,

ne of Agency :- Benaka Developers & Project Pvt.Ltd.

No :-2nd & Part Bill

ne Of work : - Improvement to Drains and Asphalting to Roads at Hegadenagara Eastern Side Cross Roads in Ward 06(Thanisandra), Byatarayanapura Sub Division

Q m o	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	180.00	190.20		1.00	10.20	7.75	7.90	7.83		79.81	
	6th Cross Road										
	0.00	30.00		1.00	30.00	6.20	6.40	6.30		189.00	
	30.00	60.00		1.00	30.00	6.40	5.90	6.15		184.50	
	60.00	90.00		1.00	30.00	5.90	6.30	6.10		183.00	
	90.00	120.00		1.00	30.00	6.30	6.30	6.30		189.00	
	120.00	150.00		1.00	30.00	6.30	6.10	6.20		186.00	
	150.00	180.00		1.00	30.00	6.10	6.00	6.05		181.50	
	180.00	192.00		1.00	12.00	6.00	6.30	6.15		73.80	
	7th Cross Road										
	0.00	30.00		1.00	30.00	7.10	7.00	7.05		211.50	
	30.00	60.00		1.00	30.00	7.00	6.40	6.70		201.00	
	60.00	91.10		1.00	31.10	6.40	6.40	6.40		199.04	
	91.10	98.10		0.00	7.00	6.40	6.90	6.65		0.00	
	98.10	128.10		1.00	30.00	6.90	7.10	7.00		210.00	
	128.10	158.10		1.00	30.00	7.10	6.80	6.95		208.50	
	158.10	190.00		1.00	31.90	6.80	6.80	6.80		216.92	
	2nd A Main Road										
	0.00	20.00		1.00	20.00	6.80	6.90	6.85		137.00	
	20.00	39.70		1.00	19.70	6.90	7.50	7.20		141.84	
	1st Main Road										
	0.00	30.00		1.00	30.00	7.30	6.60	6.95		208.50	
	30.00	60.00		1.00	30.00	6.60	6.60	6.60		198.00	
	60.00	90.00		1.00	30.00	6.60	6.40	6.50		195.00	
	90.00	120.00		1.00	30.00	6.40	5.80	6.10		183.00	
	120.00	150.00		1.00	30.00	5.80	5.70	5.75		172.50	
	150.00	180.00		1.00	30.00	5.70	5.00	5.35		160.50	
	180.00	210.00		1.00	30.00	5.00	5.20	5.10		153.00	
	210.00	240.00		1.00	30.00	5.20	5.50	5.35		160.50	
	240.00	270.00		1.00	30.00	5.50	5.50	5.50		165.00	
	270.00	292.00		1.00	22.00	5.50	6.00	5.75		126.50	
	2nd Main Road										
	0.00	30.00		1.00	30.00	7.10	6.50	6.80		204.00	
	30.00	60.00		1.00	30.00	6.50	7.10	6.80		204.00	
	60.00	90.00		1.00	30.00	7.10	6.60	6.85		205.50	
	90.00	120.00		1.00	30.00	6.60	7.50	7.05		211.50	
	120.00	150.00		1.00	30.00	7.50	7.00	7.25		217.50	
	150.00	180.00		1.00	30.00	7.00	6.40	6.70		201.00	
	180.00	196.00		1.00	16.00	6.40	7.50	6.95		111.20	
	196.00	208.20		1.00	12.20	7.50	8.40	7.95		96.99	
										12306.31	**Sqm**

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Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097,

me of Agency :- Benaka Developers & Project Pvt.Ltd.

l No :-2nd & Part Bill

me Of work : - Improvement to Drains and Asphalting to Roads at Hegadenagara Eastern Side Cross Roads in Ward ,06(Thanisandra), Byatarayanapura Sub Division

)Q m o	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
2	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17)										
	1st Cross Road										
	0.00	30.00		1.00	30.00	7.40	6.80	7.10	0.04	8.52	
	30.00	60.00		1.00	30.00	6.80	7.50	7.15	0.04	8.58	
	60.00	90.00		1.00	30.00	7.50	7.70	7.60	0.04	9.12	
	90.00	96.00		0.00	6.00	6.40	7.30	6.85	0.04	0.00	
	96.00	126.00		1.00	30.00	6.55	7.00	6.78	0.04	8.13	
	126.00	156.00		1.00	30.00	7.00	7.35	7.18	0.04	8.61	
	156.00	190.00		1.00	34.00	7.35	7.40	7.38	0.04	10.03	
	2nd Cross Road										
	0.00	30.00		1.00	30.00	6.50	6.40	6.45	0.04	7.74	
	30.00	60.00		1.00	30.00	6.40	6.40	6.40	0.04	7.68	
	60.00	73.40		1.00	13.40	6.40	6.30	6.35	0.04	3.40	
	73.40	79.90		0.00	6.50	7.00	7.90	7.45	0.04	0.00	
	79.90	109.90		1.00	30.00	7.90	7.50	7.70	0.04	9.24	
	109.90	139.90		1.00	30.00	7.50	7.30	7.40	0.04	8.88	
	139.90	171.00		1.00	31.10	7.30	7.00	7.15	0.04	8.89	
	3rd Cross Road										
	0.00	30.00		1.00	30.00	7.40	6.50	6.95	0.04	8.34	
	30.00	60.00		1.00	30.00	6.50	7.00	6.75	0.04	8.10	
	60.00	90.00		1.00	30.00	7.00	6.90	6.95	0.04	8.34	
	90.00	103.30		1.00	13.30	6.90	7.00	6.95	0.04	3.70	
	103.30	110.00		0.00	6.70	7.00	6.20	6.60	0.04	0.00	
	110.00	140.00		1.00	30.00	6.20	5.90	6.05	0.04	7.26	
	140.00	170.00		1.00	30.00	5.90	5.80	5.85	0.04	7.02	
	170.00	200.50		1.00	30.50	5.80	6.30	6.05	0.04	7.38	
	4th Cross Road										
	0.00	30.00		1.00	30.00	7.00	7.35	7.18	0.04	8.61	
	30.00	60.00		1.00	30.00	7.35	7.40	7.38	0.04	8.85	
	60.00	90.00		1.00	30.00	7.40	6.60	7.00	0.04	8.40	
	90.00	103.30		1.00	13.30	6.60	5.80	6.20	0.04	3.30	
	103.30	109.30		0.00	6.00	5.80	7.30	6.55	0.04	0.00	
	109.30	139.30		1.00	30.00	7.30	6.50	6.90	0.04	8.28	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

b Code :- 006-18-000097,

me of Agency :- Benaka Developers & Project Pvt.Ltd.

l No :-2nd & Part Bill

me Of work : - Improvement to Drains and Asphalting to Roads at Hegadenagara Eastern Side Cross Roads in Ward .06(Thanisandra), Byatarayanapura Sub Division

DQ em lo	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	139.30	169.30		1.00	30.00	6.50	7.00	6.75	0.04	8.10	
	169.30	200.00		1.00	30.70	7.00	6.80	6.90	0.04	8.47	
	5th Cross Road										
	0.00	30.00		1.00	30.00	6.70	7.30	7.00	0.04	8.40	
	30.00	60.00		1.00	30.00	7.30	7.20	7.25	0.04	8.70	
	60.00	90.00		1.00	30.00	7.20	6.75	6.98	0.04	8.37	
	90.00	120.00		1.00	30.00	6.75	6.90	6.83	0.04	8.19	
	120.00	150.00		1.00	30.00	6.90	6.80	6.85	0.04	8.22	
	150.00	180.00		1.00	30.00	6.80	7.75	7.28	0.04	8.73	
	180.00	190.20		1.00	10.20	7.75	7.90	7.83	0.04	3.19	
	6th Cross Road										
	0.00	30.00		1.00	30.00	6.20	6.40	6.30	0.04	7.56	
	30.00	60.00		1.00	30.00	6.40	5.90	6.15	0.04	7.38	
	60.00	90.00		1.00	30.00	5.90	6.30	6.10	0.04	7.32	
	90.00	120.00		1.00	30.00	6.30	6.30	6.30	0.04	7.56	
	120.00	150.00		1.00	30.00	6.30	6.10	6.20	0.04	7.44	
	150.00	180.00		1.00	30.00	6.10	6.00	6.05	0.04	7.26	
	180.00	192.00		1.00	12.00	6.00	6.30	6.15	0.04	2.95	
	7th Cross Road										
	0.00	30.00		1.00	30.00	7.10	7.00	7.05	0.04	8.46	
	30.00	60.00		1.00	30.00	7.00	6.40	6.70	0.04	8.04	
	60.00	91.10		1.00	31.10	6.40	6.40	6.40	0.04	7.96	
	91.10	98.10		0.00	7.00	6.40	6.90	6.65	0.04	0.00	
	98.10	128.10		1.00	30.00	6.90	7.10	7.00	0.04	8.40	
	128.10	158.10		1.00	30.00	7.10	6.80	6.95	0.04	8.34	
	158.10	190.00		1.00	31.90	6.80	6.80	6.80	0.04	8.68	
	2nd A Main Road										
	0.00	20.00		1.00	20.00	6.80	6.90	6.85	0.04	5.48	
	20.00	39.70		1.00	19.70	6.90	7.50	7.20	0.04	5.67	
	1st Main Road										
	0.00	30.00		1.00	30.00	7.30	6.60	6.95	0.04	8.34	
	30.00	60.00		1.00	30.00	6.60	6.60	6.60	0.04	7.92	
	60.00	90.00		1.00	30.00	6.60	6.40	6.50	0.04	7.80	
	90.00	120.00		1.00	30.00	6.40	5.80	6.10	0.04	7.32	
	120.00	150.00		1.00	30.00	5.80	5.70	5.75	0.04	6.90	
	150.00	180.00		1.00	30.00	5.70	5.00	5.35	0.04	6.42	
	180.00	210.00		1.00	30.00	5.00	5.20	5.10	0.04	6.12	
	210.00	240.00		1.00	30.00	5.20	5.50	5.35	0.04	6.42	
	240.00	270.00		1.00	30.00	5.50	5.50	5.50	0.04	6.60	
	270.00	292.00		1.00	22.00	5.50	6.00	5.75	0.04	5.06	
	2nd Main Road										

Consultant

ಸಹಾಯಕ ಅಭಿಯಂತರರು 6/4/19
Assistant Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Assistant Executive Engineer
ಬ್ಯಾಟರಾಯನಪುರ ವಲಯ ಉಪವಿಭಾಗ

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097,

me of Agency :- Benaka Developers & Project Pvt.Ltd.

l No :-2nd & Part Bill

me Of work : - Improvement to Drains and Asphalting to Roads at Hegadenagara Eastern Side Cross Roads in Ward .06(Thanisandra), Byatarayanapura Sub Division

)Q em o	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Chainage										
	0.00	30.00		1.00	30.00	7.10	6.50	6.80	0.04	8.16	
	30.00	60.00		1.00	30.00	6.50	7.10	6.80	0.04	8.16	
	60.00	90.00		1.00	30.00	7.10	6.60	6.85	0.04	8.22	
	90.00	120.00		1.00	30.00	6.60	7.50	7.05	0.04	8.46	
	120.00	150.00		1.00	30.00	7.50	7.00	7.25	0.04	8.70	
	150.00	180.00		1.00	30.00	7.00	6.40	6.70	0.04	8.04	
	180.00	196.00		1.00	16.00	6.40	7.50	6.95	0.04	4.45	
	196.00	208.20		1.00	12.20	7.50	8.40	7.95	0.04	3.88	
								TOTAL		492.25	Cum
3	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTD SR 2016-17)										
	Edge line										
	1st Cross Road										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	60.00		2.00	30.00			0.10		6.00	
	60.00	90.00		2.00	30.00			0.10		6.00	
	90.00	96.00		2.00	6.00			0.10		1.20	
	96.00	126.00		2.00	30.00			0.10		6.00	
	126.00	156.00		2.00	30.00			0.10		6.00	
	156.00	190.00		2.00	34.00			0.10		6.80	
	2nd Cross Road										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	60.00		2.00	30.00			0.10		6.00	
	60.00	73.40		2.00	13.40			0.10		2.68	
	73.40	79.90		2.00	6.50			0.10		1.30	
	79.90	109.90		2.00	30.00			0.10		6.00	
	109.90	139.90		2.00	30.00			0.10		6.00	
	139.90	171.00		2.00	31.10			0.10		6.22	
	3rd Cross Road										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	60.00		2.00	30.00			0.10		6.00	
	60.00	90.00		2.00	30.00			0.10		6.00	
	90.00	103.30		2.00	13.30			0.10		2.66	
	103.30	110.00		2.00	6.70			0.10		1.34	
	110.00	140.00		2.00	30.00			0.10		6.00	
	140.00	170.00		2.00	30.00			0.10		6.00	
	170.00	200.50		2.00	30.50			0.10		6.10	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097,

me of Agency :- Benaka Developers & Project Pvt.Ltd.

No :-2nd & Part Bill

me Of work : - Improvement to Drains and Asphalting to Roads at Hegadenagara Eastern Side Cross Roads in Ward .06(Thanisandra), Byatarayanapura Sub Division

SQ m o	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	4th Cross Road										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	60.00		2.00	30.00			0.10		6.00	
	60.00	90.00		2.00	30.00			0.10		6.00	
	90.00	103.30		2.00	13.30			0.10		2.66	
	103.30	109.30		2.00	6.00			0.10		1.20	
	109.30	139.30		2.00	30.00			0.10		6.00	
	139.30	169.30		2.00	30.00			0.10		6.00	
	169.30	200.00		2.00	30.70			0.10		6.14	
	5th Cross Road										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	60.00		2.00	30.00			0.10		6.00	
	60.00	90.00		2.00	30.00			0.10		6.00	
	90.00	120.00		2.00	30.00			0.10		6.00	
	120.00	150.00		2.00	30.00			0.10		6.00	
	150.00	180.00		2.00	30.00			0.10		6.00	
	180.00	190.20		2.00	10.20			0.10		2.04	
	6th Cross Road										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	60.00		2.00	30.00			0.10		6.00	
	60.00	90.00		2.00	30.00			0.10		6.00	
	90.00	120.00		2.00	30.00			0.10		6.00	
	120.00	150.00		2.00	30.00			0.10		6.00	
	150.00	180.00		2.00	30.00			0.10		6.00	
	180.00	192.00		2.00	12.00			0.10		2.40	
	7th Cross Road										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	60.00		2.00	30.00			0.10		6.00	
	60.00	91.10		2.00	31.10			0.10		6.22	
	91.10	98.10		2.00	7.00			0.10		1.40	
	98.10	128.10		2.00	30.00			0.10		6.00	
	128.10	158.10		2.00	30.00			0.10		6.00	
	158.10	190.00		2.00	31.90			0.10		6.38	
	2nd A Main Road										
	0.00	20.00		2.00	20.00			0.10		4.00	
	20.00	39.70		2.00	19.70			0.10		3.94	
	1st Main Road										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	60.00		2.00	30.00			0.10		6.00	
	60.00	90.00		2.00	30.00			0.10		6.00	

Consultant

ಸಹಾಯಕ ಅಭಿಯಂತರರು
Assistant Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
Assistant Executive Engineer
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Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

) Code :- 006-18-000097,

me of Agency :- Benaka Developers & Project Pvt.Ltd.

l No :-2nd & Part Bill

me Of work : - Improvement to Drains and Asphalting to Roads at Hegadenagara Eastern Side Cross Roads in Ward .06(Thanisandra), Byatarayanapura Sub Division

)Q m o	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Chainage										
	90.00	120.00		2.00	30.00			0.10		6.00	
	120.00	150.00		2.00	30.00			0.10		6.00	
	150.00	180.00		2.00	30.00			0.10		6.00	
	180.00	210.00		2.00	30.00			0.10		6.00	
	210.00	240.00		2.00	30.00			0.10		6.00	
	240.00	270.00		2.00	30.00			0.10		6.00	
	270.00	292.00		2.00	22.00			0.10		4.40	
	2nd Main Road										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	60.00		2.00	30.00			0.10		6.00	
	60.00	90.00		2.00	30.00			0.10		6.00	
	90.00	120.00		2.00	30.00			0.10		6.00	
	120.00	150.00		2.00	30.00			0.10		6.00	
	150.00	180.00		2.00	30.00			0.10		6.00	
	180.00	196.00		2.00	16.00			0.10		3.20	
	196.00	208.20		2.00	12.20			0.10		2.44	
								Total		368.72	Sqm

Consultant

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Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Assistant Executive Engineer

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